

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L2	1	(interposer and dielectric and slot and (pad or electrode) and (chip or ic or die or (integrated with circuit))) .clm.	US-PGPUB	OR	ON	2006/10/02 08:28

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L2	1	(interposer and dielectric and slot and (pad or electrode) and (chip or ic or die or (integrated with circuit))).clm.	US-PGPUB	OR	ON	2006/10/02 08:28
S1	1	("6,720,666").PN.	USPAT	OR	OFF	2005/03/03 09:14
S2	14	("20020072153"   "5254501"   "6048755"   "6122171"   "6173490"   "6177723"   "6184465"   "6210992"   "6229204"   "6268650"   "6284569"   "6287503"   "6294825"   "6439869").PN. OR ("6720666").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/03/03 09:16
S3	37	("4480975"   "4861251"   "5034350"   "5096853"   "5114880"   "5118271"   "5147815"   "5222014"   "5239806"   "5302850"   "5313365"   "5331205"   "5366364"   "5415536"   "5458694"   "5488257"   "5578261"   "5578333"   "5597643"   "5598034"   "5608262"   "5609889"   "5614441"   "5615089"   "5633019"   "5646829"   "5755914"   "5766535"   "5800841"   "5830781"   "5971734"   "5997798"   "6007317").PN. OR ("6287503").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/03/03 09:19
S4	34	("3247550"   "4332537"   "4546951"   "4688152").PN. OR ("4861251").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/03/03 09:24
S5	14	("4677526"   "4972253"   "4975765"   "5089878"   "5102829"   "5191511").PN. OR ("5597643").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/03/03 09:26

## EAST Search History

S6	35	("4480975"   "4861251"   "5034350"   "5096853"   "5114880"   "5118271"   "5147815"   "5222014"   "5239806"   "5302850"   "5313365"   "5331205"   "5366364"   "5415536"   "5458694"   "5488257"   "5578261"   "5578333"   "5597643"   "5598034"   "5608262"   "5609889"   "5614441"   "5615089"   "5633019"   "5646829"   "5755914"   "5766535"   "5800841"   "5830781"   "5971734"   "5997798"   "6007317"   "6117382"   "6287503").PN. OR ("6626656"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/03/03 09:30
S7	34	("3608023"   "4861251"   "4915607"   "5019673"   "5120678"   "5169056"   "5203076"   "5239198"   "5248710"   "5273938"   "5292688"   "5337588"   "5371404"   "5385869"   "5409362"   "5444028"   "5450283"   "5603879"   "5626887"   "5662848"   "5665281").PN. OR ("5997798"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/03/03 09:33
S8	0	(2002/0020689).CCLS.	USPAT	OR	OFF	2005/03/03 09:47
S9	1	("0020689").PN.	USPAT	OR	OFF	2005/03/03 09:37
S10	54	29/827.ccls. and (milling or mill or mills or milled)	USPAT	OR	ON	2005/03/03 12:32
S11	1	("20020020689").PN.	US-PGPUB; USPAT	OR	OFF	2005/03/03 09:47
S12	0	("2002/0020689").URPN.	USPAT	OR	OFF	2005/03/03 09:47
S13	89	29/830.ccls. and (milling or mill or mills or milled)	USPAT	OR	ON	2005/03/03 09:51
S14	3	("3087127").PN. OR ("4887346"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/03/03 09:50
S15	19	29/831.ccls. and (milling or mill or mills or milled)	USPAT	OR	ON	2005/03/03 09:51
S16	23	("2800634"   "3904997"   "4211986"   "4254383"   "4647880"   "4811170"   "4843695"   "5071787"   "5280139"   "5384688"   "5386343"   "5412538"   "5428505"   "5430614"   "5488540"   "5525763"   "5534467"   "5566441"   "5570274"   "5574629"   "5576934"   "5604977").PN. OR ("6370030").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/03/03 09:52

## EAST Search History

S17	10	("3680032"   "3924918"   "3993936"   "5259767").PN. OR ("5525763").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/03/03 09:54
S18	318	"29"/\$.ccls. and (chang-r\$.xa. or chang-r\$.xp.)	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/03 09:54
S19	8	("4296542"   "4316235"   "4970775"   "5143423"   "5369875"   "5421082"   "5773764"   "5832585").PN. OR ("6751861").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/03/03 09:56
S20	14	("2703377"   "3716846"   "3780430"   "3780431"   "3924918"   "4164002"   "4216523"   "4227238").PN. OR ("4316235").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/03/03 09:57
S21	54	("2506047"   "2965812"   "3161805"   "3324212"   "3393449"   "3436605"   "3440722"   "3548493"   "3574934"   "3588618"   "3626086"   "3641651"   "3698079").PN. OR ("3780431").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/03/03 10:00
S22	7	("3440722").URPN.	USPAT	OR	OFF	2005/03/03 10:05
S23	54	("2506047"   "2965812"   "3161805"   "3324212"   "3393449"   "3436605"   "3440722"   "3548493"   "3574934"   "3588618"   "3626086"   "3641651"   "3698079").PN. OR ("3780431").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/03/03 10:05
S24	15	("2783193"   "3610082"   "3767282"   "3780431"   "3811187").PN. OR ("3916515").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/03/03 10:06
S25	25	("3413713"   "3423516"   "3444441"   "3916515"   "3972262"   "4054238"   "4084312"   "4100675"   "4466183"   "4627159"   "4852250").PN. OR ("5067229").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/03/03 10:09
S26	15	("2783193"   "3610082"   "3767282"   "3780431"   "3811187").PN. OR ("3916515").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/03/03 10:12
S27	7	("4376399"   "4822196"   "5067229"   "5259107"   "6256882"   "6359233"   "6370766").PN. OR ("6481098").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/03/03 10:13

## EAST Search History

S28	11	("3331128"   "3916515"   "3946397"   "4791717"   "4862181").PN. OR ("5235736").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/03/03 10:14
S29	28	29/829.ccls. and (milling or mill or mills or milled)	USPAT	OR	ON	2005/03/03 10:18
S30	18	29/854.ccls. and (milling or mill or mills or milled)	USPAT	OR	ON	2005/03/03 10:19
S31	10	29/856.ccls. and (milling or mill or mills or milled)	USPAT	OR	ON	2005/03/03 10:19
S32	9	("4781601"   "4928206"   "4935090"   "5257718"   "5419038"   "5452182"   "5555159"   "5622588"   "6151775").PN. OR ("6705005").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/03/03 10:23
S33	3	("5488765").PN. OR ("6151775").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/03/03 10:24
S34	13	("4338717"   "4602678"   "4685987"   "4689875"   "4842911"   "4982376"   "5055909"   "5422788"   "5467251"   "5471366"   "5678457"   "5914873"   "5959842").PN. OR ("6370767").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/03/03 10:26
S35	17	("3516155"   "3726007"   "4076165"   "4196957"   "4200347").PN. OR ("4338717").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/03/03 11:10
S36	6	zno adj nanowire	USPAT	OR	ON	2005/03/03 11:10

## EAST Search History

S37	214	("20010023123"   "20010023986"   "20020055010"   "20020061441"   "20020068170"   "20020081380"   "20020081787"   "20020088938"   "20020090331"   "20020092983"   "20020092984"   "20020096634"   "20020098135"   "20020102193"   "20020102194"   "20020102196"   "20020102353"   "3448302"   "3740494"   "3892890"   "4324814"   "4378629"   "4495551"   "4510016"   "4524431"   "4673474"   "4694427"   "4701842"   "4707197"   "4758534"   "4819212"   "4845533"   "4853893"   "4876667"   "4888630"   "4901121"   "4903090"   "4939556"   "4947226"   "4979149"   "4985871"   "5010037"   "5031145"   "5032538"   "5051956"   "5057883"   "5089545"   "5155561"   "5161218"   "5168070"   "5175597"   "5184320"   "5196396"   "5198390"   "5198994"   "5252835"   "5290715"   "5316979"   "5346683"   "5412785"   "5424054"   "5426070"   "5444421"   "5444651"   "5453970"   "5456986"   "5475341"   "5479172"   "5482601"   "5517194"   "5521602"   "5533061"   "5538916"   "5547748"   "5553099"   "5563424"   "5586286"   "5589692"   "5590078"   "5592642"   "5592643"   "5592644"   "5608246"   "5608888"   "5623638"   "5626670"   "5626812"   "5640133"   "5640343"   "5650958"   "5651126"   "5652856"   "5699317"   "5716708"   "5719073"   "5721862"   "5739057"   "5747180"   "5751156"   "5753088"   "5780101"   "5781717"   "5793697"   "5799209"   "5802583"   "5838165"   "5840435"   "5841692"   "5846849"   "5847454"   "5847565"   "5850089"   "5850231"   "5858862"   "5875451"   "5878840"   "5887272"   "5897945"   "5903010").PN. OR ("5909624"   "5914553"   "5925465"   "5928450"   "5930164"   "5939785"   "5946228"   "5946930"   "5973444"   "5985446"   "5993697"   "5994733"   "5997832"   "6025618"   "6031711"   "6031756"   "6036774"   "6038060"   "6038637"   "6044008"   "6048740"   "6049856"   "6051866"   "6057763"	US-PGPUB; USPAT; USOCR	OR	OFF	2005/03/03 11:14
10/2/06 8:30:30 AM	C:\Documents and Settings\RC Chang\My Documents\	EAST\workspaces\10685312.wsp				Page 5

## EAST Search History

S38	0	977/dig S1.ccls. and (zno or (zinc adj oxide))	US-PGPUB; USPAT; USOCR	OR	OFF	2005/03/03 11:15
S39	7	365/151,129.ccls. and (zno or (zinc adj oxide))	US-PGPUB; USPAT; USOCR	OR	OFF	2005/03/03 11:16
S40	3	((zno or (zinc adj oxide)) with nanowire) same copper	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/03 11:17
S41	37	milling with fillet	USPAT	OR	ON	2005/03/03 12:33
S42	55	("2506047"   "2965812"   "3161805"   "3324212"   "3393449"   "3436605"   "3440722"   "3548493"   "3574934"   "3588618"   "3626086"   "3641651"   "3698079").PN. OR ("3780431").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/08 13:32
S43	1	("5,819,410").PN.	USPAT	OR	OFF	2005/08/10 07:55
S44	2	((("6,317,948") or ("5,120,384"))).PN.	USPAT	OR	OFF	2005/08/10 07:55
S45	25	("2740097"   "3021589"   "3199059"   "3780431"   "4216523").PN. OR ("4343084").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/11/16 10:49
S46	19	("2740097").URPN.	USPAT	OR	OFF	2005/11/16 10:51
S47	25	("2740097"   "3021589"   "3199059"   "3780431"   "4216523").PN. OR ("4343084").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/11/16 10:52
S48	13	("4338717"   "4602678"   "4685987"   "4689875"   "4842911"   "4982376"   "5055909"   "5422788"   "5467251"   "5471366"   "5678457"   "5914873"   "5959842").PN. OR ("6370767").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/11/16 10:56
S49	18	("3516155"   "3726007"   "4076165"   "4196957"   "4200347").PN. OR ("4338717").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/11/16 10:58
S50	1	("6684496").URPN.	USPAT	OR	OFF	2005/11/16 11:02

## EAST Search History

S51	67	("20020144396"   "3838984"   "4054238"   "4530152"   "4707724"   "4756080"   "4812896"   "5041902"   "5157480"   "5172213"   "5172214"   "5200362"   "5200809"   "5214845"   "5216278"   "5221642"   "5258094"   "5273938"   "5277972"   "5278446"   "5279029"   "5332864"   "5336931"   "5343076"   "5406124"   "5424576"   "5435057"   "5474958"   "5521429"   "5604376"   "5608267"   "5639990"   "5640047"   "5641997"   "5646831"   "5650663"   "5683806"   "5696666"   "5701034"   "5710064"   "5736432"   "5776798"   "5783861"   "5835988"   "5859471"   "5866939"   "5877043"   "5894108"   "5977613"   "5977630"   "5981314"   "5986885"   "6001671"   "6025640"   "6034423"   "6072228"   "6130115"   "6130473"   "6140154"   "6143981"   "6198171"   "6225146"   "6229200"   "6242281"   "6281568"   "6455356").PN. OR ("6684496"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/11/16 11:02
S52	40	("3265806"   "3436810"   "3440027"   "3484533"   "3509430").PN. OR ("3627901"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/11/16 11:10
S53	12	("2806188"   "3575546"   "3627901"   "3641254"   "3700788").PN. OR ("3789341"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/11/17 06:21
S54	1	("5,249,349").PN.	USPAT	OR	OFF	2005/11/17 06:21
S55	38	("4480975"   "4861251"   "5034350"   "5096853"   "5114880"   "5118271"   "5147815"   "5222014"   "5239806"   "5302850"   "5313365"   "5331205"   "5366364"   "5415536"   "5458694"   "5488257"   "5578261"   "5578333"   "5597643"   "5598034"   "5608262"   "5609889"   "5614441"   "5615089"   "5633019"   "5646829"   "5755914"   "5766535"   "5800841"   "5830781"   "5971734"   "5997798"   "6007317").PN. OR ("6287503"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/11/17 09:07



## EAST Search History

S56	42	("3650648"   "3659997"   "3663145"   "3806079"   "4025268"   "4044984"   "4314960"   "4332537"   "4374080").PN. OR ("4480975").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/11/17 09:06
S57	6	((("3650648"   "3659997"   "3663145"   "3806079"   "4025268"   "4044984"   "4314960"   "4332537"   "4374080").PN. OR ("4480975").URPN.) and dielectric	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/17 09:06
S58	7	((("4480975"   "4861251"   "5034350"   "5096853"   "5114880"   "5118271"   "5147815"   "5222014"   "5239806"   "5302850"   "5313365"   "5331205"   "5366364"   "5415536"   "5458694"   "5488257"   "5578261"   "5578333"   "5597643"   "5598034"   "5608262"   "5609889"   "5614441"   "5615089"   "5633019"   "5646829"   "5755914"   "5766535"   "5800841"   "5830781"   "5971734"   "5997798"   "6007317").PN. OR ("6287503").URPN.) and dielectric	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/17 09:07
S59	24	("4951123"   "5155067"   "5677566"   "5696033"   "5736456"   "5739585"   "5789803"   "5817535"   "5849635"   "5895967"   "6060774"   "6091140").PN. OR ("6268650").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/11/17 09:35
S60	46786	dielectric with (silicon or fr-4 or ceramic)	USPAT	OR	ON	2005/11/17 09:41
S61	0	"5817535".pn. and mill\$	USPAT	OR	ON	2005/11/17 09:42
S62	1	("5,597,643").PN.	USPAT	OR	OFF	2005/11/17 09:53
S63	1	("3,635,124").PN.	USPAT	OR	OFF	2006/09/13 06:13
S64	16	("20020072153"   "5254501"   "6048755"   "6122171"   "6173490"   "6177723"   "6184465"   "6210992"   "6229204"   "6268650"   "6284569"   "6287503"   "6294825"   "6439869").PN. OR ("6720666").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/12 13:25

## EAST Search History

S65	31	("20010012643"   "20020008307"   "20020020689"   "20020072148"   "20020172024"   "20030132518"   "3635124"   "5231878"   "5313096"   "5384689"   "5514905"   "5567655"   "5589420"   "5597643"   "5661336"   "5723907"   "5739585"   "5818698"   "6078104"   "6091140"   "6122171"   "6177723"   "6190943"   "6300165"   "6303948"   "6344976"   "6370767"   "6531335"   "6531785"   "6700983"   "6720666").PN. OR ("7078823").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/12 13:27
S66	4	("2002/0172024").URPN.	USPAT	OR	OFF	2006/09/12 13:28
S67	2	("2002/0020689").URPN.	USPAT	OR	OFF	2006/09/12 13:30
S68	2	("2002/0008307").URPN.	USPAT	OR	OFF	2006/09/12 13:31
S69	1	("6,370,767").PN.	USPAT	OR	OFF	2006/09/13 06:24
S70	1	("5818698").PN.	USPAT	OR	OFF	2006/09/13 06:25
S71	35	("4598308"   "5107328"   "5240588"   "5243497"   "5313096"   "5384689"   "5502289").PN. OR ("5818698").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/13 06:25
S72	87	("4288841"   "4996587"   "5128831"   "5205032"   "5231305").PN. OR ("5384689").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/13 06:28
S73	28	("3786559"   "4413308"   "4484215").PN. OR ("4598308").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/13 06:32